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རྒྱལ་གཞུང་གི་གཡོག་ལྷན་ཚོགས།

ROYAL GOVERNMENT OF BHUTAN
ROYAL CIVIL SERVICE COMMISSION



BHUTAN CIVIL SERVICE EXAMINATION 2024
MAIN EXAMINATION
OCTOBER 5, 2024

CATEGORY: TECHNICAL (ARCHAEOLOGY)

**PAPER III: SUBJECT SPECIALISATION PAPER FOR
ARCHAEOLOGY**

**ROYAL CIVIL SERVICE COMMISSION
BHUTAN CIVIL SERVICE EXAMINATION (BCSE) 2024
EXAMINATION CATEGORY: TECHNICAL**

PAPER III: SUBJECT SPECIALISATION PAPER FOR ARCHAEOLOGY

Date	: October 5, 2024
Total Marks	: 100
Writing Time	: 150 minutes (2.5 hours)
Reading Time	: 15 Minutes (prior to examination time)

GENERAL INSTRUCTIONS:

1. Write your Registration Number clearly and correctly on the Answer Booklet.
 2. The first 15 minutes is to check the number of pages of the Question Paper, printing errors, clarify doubts and to read the instructions. You are NOT permitted to write during this time.
 3. This paper consists of **TWO SECTIONS**, namely SECTION A & SECTION B:
 - **SECTION A** has two parts: Part I - 50 Multiple Choice Questions
Part II – 10 Short Answer Questions
 4. **SECTION B** has two long Answer Questions
- All questions under both SECTION A & SECTION B are COMPULSORY.
5. All answers should be written on the Answer Booklet provided to you. Candidates are not allowed to write anything on the question paper. If required, ask for additional Answer Booklet.
 6. All answers should be written with correct numbering of Section, Part and Question Number in the Answer Booklet provided to you. Note that any answer written without indicating the Section, Part and Question Number will NOT be evaluated and no marks will be awarded.
 7. Begin each Section and Part on a fresh page of the Answer Booklet.
 8. You are not permitted to tear off any sheet(s) of the Answer Booklet as well as the Question Paper.
 9. Use of any other paper including paper for rough work is not permitted.
 10. You must to hand over the Answer Booklet to the Invigilator before leaving the examination hall.
 11. This paper has **9 printed pages**, including this instruction page.

GOOD LUCK!

SECTION A

PART I: Multiple Choice Questions [30 marks]

Choose the correct answer and write down the letter of your chosen answer in the Answer Booklet against the question number e.g. 31 (d). Each question carries ONE mark. Any double writing, smudgy answers or writing more than one choice shall not be evaluated.

1. Bamiyan Valley archaeological site belongs to.....?
 - a) Indonesia
 - b) Afghanistan
 - c) India
 - d) Cambodia

2. The archaeological site of Drapham Dzong is located in which Dzongkhag in Bhutan?
 - a) Paro
 - b) Trashigang
 - c) Mongar
 - d) Bumthang

3. Who wrote the book titled “On the Origins of Species” in 1859?
 - a) William Cunnigton
 - b) Charles Darwin
 - c) Carl Darwin
 - d) Alfred Wallace

4. The ancient city of Pompeii archaeological sites is in which modern country?
 - a) Spain
 - b) Italy
 - c) France
 - d) Belgium

5. The Obtsho Dzong ruins archaeology project in Gasa Dzongkhag was started in the year.....?
 - a) 2010
 - b) 2011
 - c) 2012
 - d) 2013

6. Which one of the following archaeological sites is located in Samdrup Jongkhar?
 - a) Zhongar Dzong ruins
 - b) Chubjakha Dzong ruins
 - c) Dochoeten Goenpa ruins
 - d) Jadrung Dzong ruins

7. Which ruin site in Bhutan is the most recent archaeology research undertaken by the Department of Culture and Dzongkha Development in collaboration with the Swiss-Liechtenstein Foundation for Archaeological Research Abroad?
 - a) Jadrung Dzong ruins
 - b) Zhongar Dzong ruins
 - c) Bangtsho Dzong ruins
 - d) Tshenkhar Dzong ruins

8. Tshenkhar Dzong ruin is located in which Dzongkhag?
 - a) Mongar
 - b) Trashigang
 - c) Lhuentse
 - d) Trashiyangtse

9. Salvage archaeology is conducted when the site is under threat of destruction by.....?
 - a) Building new roads
 - b) Building new dams
 - c) Building new buildings
 - d) All the above

10. Chimi Lhakhang structure under Punakha Dzongkhag was built by.....?
 - a) Drukpa Kinley
 - b) Ngawang Chogyal
 - c) Pema Lingpa
 - d) Thangthong Gyalpo

11. Which one of the following is not an archaeological site in Bhutan.....?
 - a) Zhongar Dzong
 - b) Druk Mingyur Dechen Dzong
 - c) Chubjakha Dzong
 - d) Jadrung Dzong

12. Which of the following provides evidence of Bhutanese pre-historic life/period.....?
 - a) Namchag
 - b) Lhakhangs
 - c) Stupas
 - d) Dzongs

13. Archaeological shovel-testing is.....?
 - a) a destructive survey technique that archaeologists no longer use.
 - b) an important method of identifying sites in areas characterized by soil buildup.
 - c) an important method of identifying sites in areas characterized by deflation.
 - d) only necessary in agricultural regions where archaeologists must survey plow-zones.

14. Tamchog lhakhang under Paro Dzongkhag was founded by.....?
 - a) Pema Lingpa
 - b) Guru Rinpochoe
 - c) Zhabdrung Ngawang Namgyel
 - d) Thangthong Gyalpo

15. From which of these did Archaeology grow?
 - a) Researching
 - b) Geography
 - c) History
 - d) Antiquarianism

16. When Paro Ta-Dzong converted and opened to the public as the first National Museum of Bhutan?
- 1964
 - 1965
 - 1967
 - 1968
17. Where was Buddha born?
- Bodhgaya
 - Rajgir
 - Lumbini
 - Sarnath
18. “Baribrang” is associated with.....?
- Sherab Mebar
 - Pema Lingpa
 - Dorji Lingpa
 - Ratna Lingpa
19. When was Wangduephodrang Dzong consecrated after the fire disaster in 2012?
- 11th October 2022
 - 11th November 2022
 - 11th October 2023
 - 11th November 2023
20. The word archaeology is a word?
- Latin
 - Greek
 - English
 - French
21. What is the first-ever scientific archaeological excavation project executed in Bhutan?
- Tshenkhar Dzong ruins
 - Drapham Dzong ruins
 - Obtsho Dzong ruins
 - Chubjakha Dzong ruins
22. Name the largest Bronze Age archaeological site on Crete which has been called Europe's oldest city.
- Hania
 - Knossos
 - Moni Preveli
 - Smaria Gorge
23. Acropolis is located in which of the modern country?
- Italy
 - Greece
 - Spain
 - Egypt

24. What period does Stonehenge belong to?
- a) Ice Age
 - a) Stone Age
 - b) Bronze Age
 - c) Golden Age
25. If you travel to Naro gewog under Thimphu Dzongkhag, which archaeological site would you find?
- a) Jagoe Dzong
 - b) Barshong Dzong
 - c) Jomolhari Lhakhang
 - d) None of the above
26. The Herculaneum papyri are more than 1,800 documents carbonized by the eruption of which volcano?
- a) Kilauea volcano
 - b) Mount Vesuvius
 - c) Mount Fuji
 - d) Mount Erebus
27. Which of these is not an example of what archaeologists typically look for when they dig?
- a) Tools of Ancient Peoples
 - b) Bones
 - c) Groundwater
 - d) Building foundations
28. As per the Cultural Heritage Bill of 2016, the designation of the archaeological sites is?
- a) Important Archaeological Site
 - b) Archaeological Site of Special Importance
 - c) Nationally Important Archaeological Site
 - d) None of the above
29. Which branch of archaeology is interested in cultures that have not developed a written language?
- a) Protohistoric archaeology
 - b) Ethnoarchaeology
 - c) Prehistoric archaeology
 - d) Historic archaeology
30. When was Trongsa Ta Dzong converted into the Royal Heritage Museum?
- a) 2008
 - b) 2009
 - c) 2010
 - d) 2011
31. By what name are the Parthenon Marbles better known?
- a) The Elgin Marbles
 - b) The Ancient Greece Marble
 - c) The Henge Marbel
 - d) The Sacred Marbel

32. What is archaeobotany?
- Study of plant remains from the archaeological site
 - Study of animal remains from the archaeological site
 - Study of mortal remains from the archaeological site
 - All the above
33. Any portable manmade object is known in archaeology as.....?
- Artifact
 - Feature
 - Eco-fact
 - All the above
34. Dendrochronology was developed by
- Willard Libby
 - AE..Douglass
 - G Carke
 - Binford
35. Stratigraphy is the study of
- Strata
 - Culture
 - Site
 - None of the above
36. The study of plant remains is
- Zooarchaeology
 - Ethnoarchaeology
 - Palaeobotany
 - Geoarchaeology
37. When was the ancient ruin of Drugyel Dzong announced to be reconstructed?
- 5th January 2016
 - 5th February 2016
 - 5th January 2017
 - 5th February 2017
38. Who is the father of modern Archaeology?
- Petrie
 - Schliemann
 - Rivers
 - Marshall
39. The amino acid dating method was developed by.....?
- Jeffre L. Bada
 - Baron Gerard
 - Binford
 - None of the above

40. When was the reconstruction of Paro Taktshang completed?
- a) 1958
 - b) 1998
 - c) 2001
 - d) 2005
41. Classical archaeology is related to.....?
- a) Renaissance
 - b) Civilizations
 - c) Enlightenment
 - d) Revolutions
42. In what order of events do archaeologists conduct an investigation?
- a) Survey, excavation, research, analysis
 - b) Research, survey, exaction, analysis
 - c) Survey, research, analysis, excavation
 - d) Excavation, survey, research, analysis
43. Singye Dzong in Lhuentse is associated with which of the following?
- a) Pema Lingpa
 - b) Zhabdrung Ngawang Namgyel
 - c) Guru Rinpoche
 - d) Thangthong Gyalpo
44. Which archaeological technique is considered to be destructive?
- a) Aerial photography
 - b) Field walking
 - c) Excavation
 - d) Site surface survey
45. What is the archaeological study of human skeletal remains known as?
- a) Osteoarchaeology
 - b) Zooarchaeology
 - c) Bioarchaeology
 - d) Paleoarchaeology
46. Which Dzong was built before the Zhabdrung's era?
- a) Dobji Dzong
 - b) Paro Rinpung Dzong
 - c) Punakha Dzong
 - d) Trongsa Dzong
47. Which artifact signifies the peace between Nowachoe and Sindharaja at Nabji?
- a) A bronze plate
 - b) A statue of Guru Rinpoche
 - c) A statue of Chenrize
 - d) A stone pillar

48. A branch of palaeontology that deals with the processes of fossilization is called....?
- Taxonomy
 - Ontology
 - Taphonomy
 - Epistemology
49. The Archaeological Ruins of Moenjodaro are located in which district today?
- Kashmir
 - Larkana
 - Punjab
 - Islamabad
50. Hampi is the remnant of the capital city of which empire?
- Mauryan Empire
 - Vijayanagara Empire
 - Delhi Sultanate
 - None of the above

PART II – Short Answer Questions [30 marks]

Answer ALL the questions. Each question carries 3 marks. [3*10=30 marks]

- Name one difference in the layout of the Dzong built before and during Zhabdrung's era.
Support your answer with a simple sketch (plan).
- Name three 'lings or seats' out of eight associated with Longchen Ramjampa?
- Give three methods on how to advocate and educate the public on the archaeology site and its artefacts.
- What is New Archaeology?
- What does provenance mean?
- For what purpose echo-sounder system is used?
- What is photogrammetry?
- What are the three types of reconnaissance used to identify archaeological sites?
- Name 3 tools used for archaeological excavation.
- What does 'feature' mean in archaeology?

SECTION B: LONG ANSWER QUESTIONS [20 MARKS]

Answer All the questions in this section. Each question carries TEN marks. [2*10=20 marks]

1. What is the current status of archaeological research in Bhutan? Elaborate on the principles, approaches and methodologies adopted.
2. What initiatives do you believe are necessary to enhance and advance archaeological research in Bhutan?

TASHI DELEK